

Claims: In the claims, please amend claims 1, 4, 10, 13, 16, 18, 22, 26, 28, 31, and 33. Additions to claims are indicated by underlining. Deletions to claims are indicated by strikeouts. No claims are canceled in this amendment. Upon entry of this amendment, claims 1-33 will be pending.

Listing of Claims:

1. (currently amended) A projection system comprising:
a projection screen to:
reflect one or more ranges of wavelengths of visible light in a first group and emit ~~one or more ranges of wavelengths of visible light responsive to ultraviolet light in a first group~~; and
absorb visible wavelengths of light in a second group not included in the first group; and
an ambient light source that is configured to output visible wavelengths of light in the second group that has a greater intensity than that of wavelengths of light output by the ambient light source in the first group.
2. (previously presented) A projection system as described in claim 1, further comprising a projector to project an image composed of the one or more ranges of wavelengths of light in the first group.
3. (previously presented) A projection system as described in claim 1, wherein the one or more ranges in the first group include:
a range of red wavelengths of visible light;
a range of green wavelengths of visible light; and
a range of blue wavelengths of visible light.
4. (currently amended) A projection system as described in claim 1, wherein

the ultraviolet light includes one or more ranges in the first group include a range of ultraviolet wavelengths that cause the projection screen to emit the visible light.

5. (previously presented) A projection system as described in claim 1, wherein the one or more ranges in the first group include a range of ultraviolet wavelengths and a range of visible wavelengths.

6. (previously presented) A projection system as described in claim 1, further comprising a projector to project an image composed of the one or more ranges of wavelengths of light included in the first group, wherein the projector includes a component selected from the group consisting of:

- a digital micromirror device (DMD);
- a liquid crystal display (LCD);
- a grating light valve (GLV); and
- a liquid crystal on silicon (LCOS) device.

7. (previously presented) A projection system as described in claim 1, wherein the projection screen is configured to absorb the visible wavelengths of light in the second group by utilizing a component selected from the group consisting of:

- a filter;
- a pigment;
- an optical coating;
- an optical dye; and
- any combination thereof.

8. (previously presented) A projection system as described in claim 1, wherein the ambient light source further comprises:

- a light emitting device that emits wavelengths of light that include:
 - the one or more ranges of the first group; and

the one or more ranges of the second group; and
a light filtering structure that:
reflects and absorbs wavelengths of light emitted by the light emitting
device in the first group; and
transmits wavelengths of light in the second group.

9. (original) A projection system as described in claim 1, wherein the ambient
light source does not output an image.

10. (currently amended) A projection system comprising:
a projection screen to:
reflect ~~and emit~~ one or more ranges of wavelengths of visible light
in a first group and emit visible light responsive ultraviolet light; and
absorb visible wavelengths of light in a second group not included
in the first group wherein wavelengths in the second group have a greater
intensity than wavelengths in the first group; and
a light filtering structure that:
reflects and absorbs wavelengths of light emitted by an ambient
light emitting device in the first group; and
transmits wavelengths of light emitted by the ambient light emitting
device in the second group.

11. (previously presented) A projection system as described in claim 10,
further comprising a projector to project an image composed of the one or more
ranges of wavelengths of light in the first group.

12. (previously presented) A projection system as described in claim 10,
wherein the one or more ranges in the first group include:
a range of red wavelengths of visible light;
a range of green wavelengths of visible light; and
a range of blue wavelengths of visible light.

13. (currently amended) A projection system as described in claim 10, wherein the ~~one or more ranges in the first group include~~ ultraviolet light includes a range of ultraviolet wavelengths that cause the projection screen to emit the visible light.

14. (previously presented) A projection system as described in claim 10, wherein the one or more ranges in the first group include a range of ultraviolet wavelengths and a range of visible wavelengths.

15. (previously presented) A projection system as described in claim 10, wherein the projection screen is configured to absorb the visible wavelengths of light in the second group by utilizing a component selected from the group consisting of:

- a filter;
- a pigment;
- an optical coating;
- an optical dye; and
- any combination thereof.

16. (currently amended) An apparatus comprising ~~a light filtering structure that:~~

a light filtering structure that:

reflects and absorbs wavelengths of light encountered by the light filtering structure in one or more ranges in a first group; and

transmits wavelengths of visible light encountered by the light filtering structure in a second group not included in the first group, wherein:

the wavelengths of light transmitted by the light filtering structure in the second group have a greater intensity than that of the wavelengths of light transmitted by an ambient light source in the first group;

the wavelengths of light in the first group provide a white light when

displayed by a projection screen; ~~and~~
the wavelengths of light in the second group are absorbed when
received by the projection screen; ~~and~~
a window, with the light filtering structure disposed on the window.

17. (previously presented) An apparatus as described in claim 16, further comprising a light emitting device that emits wavelengths of light that include:
the one or more ranges in the first group; and
the second group.

18. (currently amended) An apparatus as described in claim 16, ~~further comprising a~~ wherein the window that includes a configuration to transmit wavelengths of light in the first group and the second group, ~~wherein the light filtering structure is disposed on the window.~~

19. (previously presented) An apparatus as described in claim 16, wherein the first group includes:
a range of red wavelengths of visible light;
a range of green wavelengths of visible light; and
a range of blue wavelengths of visible light.

20. (previously presented) An apparatus as described in claim 16, wherein the first group includes a range of ultraviolet wavelengths that cause the projection screen to emit visible light.

21. (previously presented) An apparatus as described in claim 16, wherein the first group includes a range of ultraviolet wavelengths and a range of visible wavelengths.

22. (currently amended) A method comprising:
projecting, by a projector, an image composed of one or more ranges of

wavelengths of light in a first group;

displaying the projected image by reflecting ~~and emitting~~ visible light by a projection screen and emitting visible light responsive ultraviolet light; and

outputting by an ambient light source:

wavelengths of light in the first group; and

wavelengths of light in a second group not included in the first group, wherein the wavelengths of light output by the ambient light source in the second group have a greater intensity than that of the wavelengths of light output by the ambient light source in the first group.

23. (previously presented) A method as described in claim 22, further comprising absorbing by the projection screen wavelengths of light of the second group output by the ambient light source.

24. (previously presented) A method as described in claim 22, wherein the first group includes:

a range of red wavelengths of visible light;

a range of green wavelengths of visible light; and

a range of blue wavelengths of visible light.

25. (original) A method as described in claim 22, wherein the displayed image is a full-color image when viewed by a human eye.

26. (currently amended) A method as described in claim 22, wherein the first group includes a range of ultraviolet wavelengths of the ultraviolet light that cause the projection screen to emit the visible light.

27. (previously presented) A method as described in claim 22, wherein the first group includes a range of ultraviolet wavelengths and a range of visible wavelengths.

28. (currently amended) A method comprising:
configuring an ambient light source to output:
wavelengths of light in one or more ranges in a first group that
cause a projection screen to reflect ~~and emit~~ visible light and ultraviolet
light to cause the projection screen to emit visible light; and
wavelengths of light in a second group not included in the first
group, wherein: the wavelengths of light in the first group provide a full-
color image when displayed on the projection screen;
wavelengths of light in the second group are absorbed when
received by the projection screen; and
wavelengths of light output in the second group have a
greater intensity than wavelengths of light output in the first group.
29. (previously presented) A method as described in claim 28, wherein the
configuring further comprises positioning a light filtering structure that is
configured to reflect and absorb one or more ranges of visible light from the first
group emitted by a light emitting device that is configured to emit light having
wavelengths in the second group and the first group.
30. (previously presented) A method as described in claim 28, wherein the
first group includes:
a range of red wavelengths of visible light;
a range of green wavelengths of visible light; and
a range of blue wavelengths of visible light.
31. (currently amended) A method as described in claim 28, wherein the first
group includes a range of ultraviolet wavelengths of the ultraviolet light that
cause the projection screen to emit the visible light.
32. (previously presented) A method as described in claim 28, wherein the
first group includes a range of ultraviolet wavelengths and a range of visible

wavelengths.

33. (currently amended) A system comprising:

means for projecting an image composed of one or more ranges of wavelengths of light in a first group;

means for displaying the projected image that:

reflects ~~and emits~~ visible light in response to the wavelengths of light in the first group and emits visible light in response to impinging ultraviolet light; and

absorbs visible wavelengths of light in a second group not included in the first group; and

means for providing ambient light that outputs visible wavelengths of light in the second group that has a greater intensity than that of wavelengths of light output by the providing means in the first group.